IN THE CLAIMS:

Please cancel claim 67 without prejudice, and amend claims 60, 64-66, and 350 as follows:

Claims 1-59 (previously cancelled)

60. (Currently Amended) Electronic assembly, comprising:

a <u>first</u> plurality of semiconductor dies mounted edge-to-edge, in close proximity to one another, on at least one a <u>first</u> side of a printed circuit board, each semiconductor die electrically connected to the printed circuit board by free-standing, resilient contact structures mounted to each of the semiconductor dies.

- 61. (Original) Electronic assembly, according to claim 60, wherein: the semiconductor dies are memory devices.
- 62. (Original) Electronic assembly, according to claim 60, wherein: the electronic assembly is a single in-line memory module (SIMM).
- 63. (Original) Electronic assembly, according to claim 60, wherein: the resilient contact structures are compliant.
- 64. (Currently Amended) Electronic assembly, according to claim 60, wherein: the <u>further</u> comprising a second plurality of semiconductor dies are mounted to both sides a second side of the printed circuit board.
- 65. (Currently Amended) Electronic assembly, according to claim 60, wherein: the freestanding resilient contact structures are formed by: individually bonding comprise:

wires bonded to the semiconductor dies; and

overcoating an overcoat covering at least a portion of the wires contemporaneously with one another.

66. (Currently Amended) Electronic assembly, according to claim 60, wherein: the freestanding resilient contact structures comprise are formed by: individually bonding wires to a sacrificial substrate;

--- plating the wires; and

gang transferring the plated wires to at least one of the semiconductor dies in a single step plated wires adhered to the semiconductor dies.

67. (Cancelled)

68. (Original) Electronic assembly, according to claim 60, further comprising:

a rigidizing material encapsulating at least a portion of the resilient contact structures.

Claims 69-346 (previously cancelled)

- 347. (Original) Semiconductor package, comprising:
 - a first insulating layer;
- a first conductive layer disposed on a first surface of the first insulating layer and patterned to have a first plurality of conductive traces;
 - a second insulating layer;
- a second conductive layer disposed on a first surface of the second insulating layer and patterned to have a second plurality of conductive traces;

the first conductive layer being in contact with the second insulating layer;

the second conductive and insulating layers are arranged and disposed so that outer portions of the first plurality of conductive traces are exposed;

a first plurality of electrical contact structures mounted to outer portions of the first plurality of conductive traces; and

a second plurality of electrical contact structures mounted to the second plurality of conductive traces.

348. (Original) Semiconductor package, according to claim 347, wherein: the first plurality of electrical contact structures extend to a plane; and the second plurality of electrical contact structures extend to the plane.

- 349. (Original) Semiconductor package, according to claim 347, wherein: the first plurality of electrical contact structures are resilient contact structures; and the second plurality of electrical contact structures are resilient contact structures.
- 350. (Currently Amended) Semiconductor package, according to claim 347, further comprising: means for receiving a semiconductor device; wherein:

the second conductive and insulating layers are arranged and disposed so that inner portions of the first plurality of conductive traces are exposed for connecting to a semiconductor device; and further comprising:

means for connecting the semiconductor device to the exposed inner portions of the first plurality of conductive traces; and

means for connecting the semiconductor device to the second plurality of conductive traces.

a first plurality of electrical contact structures mounted to outer portions of the first plurality

a second plurality of electrical contact structures mounted to the second plurality of conductive traces.

351. (Original) Semiconductor device, comprising:

of conductive traces; and

- a semiconductor die having a front surface and a back surface;
- a plurality of free-standing interconnect structures mounted to the front surface of the semiconductor die; and
- a plurality of free-standing heat-dissipating structures mounted to the back surface of the semiconductor die.
- 352. (Original) Semiconductor device, according to claim 351, wherein: the interconnect structures are resilient contact structures.

353. (Original) Semiconductor device, according to claim 351, wherein: the interconnect structures are compliant contact structures.

354. (Original) Semiconductor device, according to claim 351, wherein:

the free-standing heat-dissipating structures are wires mounted to the back surface of the semiconductor die.

355. (Original) Semiconductor device, according to claim 351, wherein:

the free-standing interconnect structures are of a first material; and

the free-standing heat-dissipating structures are of a second material which is different from the first material.

356. (Original) Semiconductor device, according to claim 355, wherein:

the free-standing interconnect structures and the free-standing heat-dissipating structures are overcoated with a common material.

357. (Original) Semiconductor device, according to claim 351, further comprising:

a layer of a metallic material disposed between the free-standing heat-dissipating structures and the back surface of the semiconductor die.

the interconnect structures are resilient contact structures.

358. (Original) Semiconductor device, comprising:

a semiconductor die having a front surface and a back surface; and

a plurality of free-standing resilient contact structures mounted to the front surface of the semiconductor die.

359. (Original) Semiconductor device, according to claim 358, further comprising:

conductive pads disposed on the front surface of the semiconductor die; and

wherein:

one contact structure is mounted to each conductive pad.

360. (Original) Semiconductor device, according to claim 358, wherein the resilient contact structures each comprise:

a wire stem bonded at one end to the front surface of the semiconductor die and configured to have a springable shape; and

an overcoat material applied over the wire stem and over a portion of the front surface of the semiconductor die.

361. (Original) Semiconductor device, according to claim 358, wherein: the resilient contact structures are compliant.

Claims 362-374 (previously cancelled)